REMARKS

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-11, 16, 17, 19, 21-24, 26, 28, 29, 31, 32, 34, 35 and 4043 are pending in the present application. Claims 1-7, 9-11, 16, 17, 21-24, 26, 28, 29, 31, 32, 34 and 35 have been amended, claims 12,20, 27, 30, 33 and 36-39 have been cancelled and claims 40-43 have been added by the present amendment.

In the outstanding Office Action, the information disclosed filed on July 15, 2008, was objected to; claim 10 was objected to; claims 27 and 28 were rejected under 35 U.S.C. § 112, second paragraph; claims 1, 2, 4, 9, 16, 22, 23, 29 and 33-35 were rejected U.S.C. § 102(e) as anticipated by Hirayama et al; claims 3, 5-8, 10, 11, 20, 21, 27 and 28 were rejected under 35 U.S.C. § 103(a) as unpatentable over Hirayama et al. in view of Ohno; and claims 17, 24 and 30-32 were rejected under 35 U.S.C. § 103(a) as unpatentable over Hirayama et al.

Regarding the objection to disclosure, enclosed is an English abstract of the Korean reference filed in the Information Disclosure Statement on July 15, 2008. Also enclosed is a copy of the PTO form SB/08B filed with the previous Information Disclosure Statement. Accordingly, it is respectfully requested the Examiner acknowledge consideration of this reference.

Further, regarding the rejection of claim 10, the preamble has been amended as suggested by the Examiner. Accordingly, it is respectfully requested this objection be withdrawn.

Claims 27 has also been amended to address the rejection of claims 27 and 28 under 35 U.S.C. § 112, second paragraph. Accordingly, it is respectfully requested this rejection be withdrawn.

Claims 1, 2, 4, 9, 16, 22, 23, 29 and 33-35 stand rejected under U.S.C. § 102(e) as anticipated by Hirayama et al. This rejection is respectfully traversed.

Independent claim 1 includes a combination of elements and is directed to a character display apparatus for an optical disc player. The apparatus includes a detection and separation unit to detect recorded data including a first font data from an optical disc, and to separate said first font data from the detected recorded data, a memory to store the first font data output from

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said detection and separation unit, a character generation unit to generate character signals for characters of a selected language for a subtitle by using the first font data stored in said memory, and a controller coupled to the character generation unit, to cause the character generation unit to generate the character signals for the characters of the selected language for character subtitle processing selected from multiple languages to be used in the character subtitle processing on the basis of the first font data. Further, the first font data is downloaded from the optical disc and stored in the memory such that the stored first font data is separate from the characters of the selected language before the character generation unit generates the characters of the selected language. Independent claims 4 and 9 include similar features in a varying scope.

These features supported at least by the non-limiting examples shown in Figures 2 and 4 of the issued patent and the corresponding description in the patent. For example, Figure 2 illustrates a character display apparatus for an optical disc player. The apparatus includes a detection and separation unit 204 to detect recorded data including a first font data from an optical disc 201, and to separate the font data from the detected recorded data, a memory 205 to store the first font data output from the detection and separation unit 204, a character generation unit 207 to generate character signals for characters of a selected language for a subtitle by using the first font data stored in the memory 205, and a controller coupled to the character generation unit 207, to cause the character generation unit to generate the character signals for the characters of the selected language for character subtitle processing selected from multiple languages to be used in the character subtitle processing on the basis of the first font data. In addition, the first font data is downloaded from the optical disc 201 and stored in the memory 205 such that the stored first font data is separate from the characters of the selected language before the character generation unit 207 generates the characters of the selected language (see also Figure 4).

On the contrary, Hirayama et al. is merely directed to providing subtitle information in various languages that are recorded on a disc 100 (see column 6, lines 9-12). Hirayama et al. does not distinguish between the character data and font data. Rather, the subtitle information in Hirayama et al. is character data having a predetermined specified font. Hirayama et al. does not teach or suggest downloading font data from the disc and storing the downloaded font data such that the font data is separate from the characters of the subtitle information. That is, in Hirayama

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et al., the subtitle information is not separate from the font data, and the subtitle information is always displayed with the same font.

In addition, independent claim 16 includes a combination of elements and is directed to an apparatus for an additional contents display of an optical disc player. The apparatus includes a detector to detect additional contents data associated with a main title of an optical disc, wherein the additional contents data include a first font data, a first memory to store the additional contents data, a processor to process the additional contents data stored in said first memory to generate specific presentation data, and a controller to control the processor to process the additional contents data to display a specific content associated with the main title by using the specific presentation data. Further, the processor processes the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and the first and second font data are different than text data. Independent claim 23 includes similar features in a varying scope.

Hirayama et al. does not teach anything about font data and also does not teach or suggest a processor processing the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and the first and second font data are different than text data. That is, the subtitle information in Hirayama et al. is always displayed with a same font.

Accordingly, it is respectfully submitted independent claims 1, 4, 9, 16 and 23 and each claim depending therefrom patentably define over Hirayama et al.

Claims 3, 5-8, 10, 11, 20, 21, 27 and 28 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Hirayama et al. over Ohno. This rejection is respectfully traversed.

Independent claims 6, 7, and 11 have been amended in a similar manner as that discussed above with respect to claims 1, 4 and 9. As discussed above, Hirayama et al. does not teach or suggest these features. Ohno also does not teach or suggest these features. Accordingly, it is respectfully submitted independent claims 6, 7 and 11 and each claim depending therefrom are also allowable.

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Further, it is respectfully submitted the additional 35 U.S.C. § 103(a) rejection noted in item 71 of the Office Action have also been overcome as the claims rejected there are dependent claims.

Also, the summary of the invention and the abstract of the invention have been amended to correspond with the claimed subject matter.

In addition, new claims 40-43 have been added to set forth the invention in a varying scope, and Applicants respectfully submit the new claims are fully supported by the originally-filed application. It is respectfully submitted new claims 40-43 further define over the applied art.

CONCLUSION

If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone David A. Bilodeau, (Registration No. 52,041) at (703) 205-8000, in the Washington, D.C. area.

Prompt and favorable consideration of this Amendment is respectfully requested.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: October 29, 2008

Respectfully submitted,

By _____
Esther H. Chong

**David A. Bilodeau
Registration No. 43.325**

Registration No.: 40,953
BIRCH, STEWART, KOLASCH & BIRCH, LLP
8110 Gatehouse Road
Suite 100 East
P.O. Box 747
Falls Church, Virginia 22040-0747
(703) 205-8000
Attorney for Applicant

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CLAIM APPENDIX

1. (Currently Amended) A character display apparatus for an optical disc player, the apparatus comprising:

a detection and separation unit to detect recorded data including a first font data from ~~said~~ an optical disc, and to separate said first font data from the detected recorded data ~~detected~~;

a memory to store the first font data output from said detection and separation unit;

a character generation unit to generate character signals ~~of~~ for characters of a selected language for a subtitle by using the first font data stored in said memory; and

a controller coupled to the character generation unit, to cause the character generation unit to generate the character signals ~~of a~~ for the characters of the selected language for character subtitle processing selected from ~~multi-languages~~ multiple languages to be used in ~~multilingual~~ the character subtitle processing on the basis of the first font data ~~, at least some of which are recorded in the optical disc~~,

wherein the first font data is downloaded from the optical disc and stored in the memory such that the stored first font data is separate from the characters of the selected language before the character generation unit generates the characters of the selected language.

2. (Currently Amended) The character display apparatus according to claim 1, wherein said detection and separation unit comprises:

a pickup to detect the recorded data including said first font data from said optical disc, and to output the detected recorded data ~~detected~~ as output signals;

a high frequency processing unit to process the output signals of said pickup, and to output video data signals; and

a data separation unit to separate said first font data from the output video data signals of said high frequency processing unit, and to output the separated first font data,

wherein said controller controls said high frequency processing unit, said data separation unit, said memory and said character generation unit.

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3. (Currently Amended) The character display apparatus according to claim 1, ~~wherein said character display apparatus further comprises~~further comprising:

a second memory for storing second font data of predetermined languages, said second font data being different than said first font data, and

wherein said controller controls said character generation unit to output the character signals ~~of~~for the characters of the selected language for the character subtitle processing by using the second font data of the selected language from said second memory if the first font data of the selected language are not on said optical disc.

4. (Currently Amended) A character display method for an optical disc player, the method comprising:

detecting recorded data including ~~a~~first font data recorded in ~~said~~an optical disc, and outputting said detected recorded data ~~detected~~as output signals;

processing the output signals, and outputting video signals;

separating said first font data from the video signals, and outputting the separated first font data ~~separated~~;

storing the first font data in a first memory; and

outputting ~~the~~character signals of characters for a selected language for character subtitle processing by using the first font data stored in said first memory,

wherein the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the outputting step outputs the characters of the selected language.

5. (Currently Amended) The character display method according to claim 4, ~~wherein said player further comprises~~further comprising:

~~a second memory for~~storing second font data of predetermined languages in a second memory, said second font data being different than said first font data, and

wherein said ~~step of~~outputting ~~the character signals of the selected language for subtitle processing~~step further includes outputting the character signals by using the

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second font data of the selected language from said second memory if the first font data of the selected language are not on said optical disc.

6. (Currently Amended) A character display method for an optical disc player, the method comprising:

determining whether first font data ~~of~~ corresponding to at least some of ~~multi-languages~~ multiple languages to be used in ~~multilingual~~ character subtitle processing are recorded in an optical disc;

storing the first font data ~~of at least some of the multi-languages~~ in a first memory, if the first font data ~~of~~ corresponding to characters of languages for the ~~multilingual~~ character subtitle processing are stored in said optical disc; and

outputting character signals for characters of a selected language for the character subtitle processing according to the first font data stored in said first memory when one of said ~~multi-languages~~ multiple languages is selected, and outputting the character signals ~~by~~ for the characters of the selected language using ~~the~~ second font data of the selected language from a second memory if the first font data of the selected language are not recorded in said disc,

wherein the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the outputting step outputs the characters of the selected language.

7. (Currently Amended) A character display apparatus for an optical disc player, the apparatus comprising:

a data separator to separate first font data to be used in ~~multilingual~~ character subtitle processing from a predetermined area of an optical disc;

a first memory to store the separated first font data;

a second memory to store predetermined second font data to be used in the ~~multilingual~~ character subtitle processing;

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a character generator to generate character signals <u>for characters</u> of a <u>selected</u> language for the <u>character</u> subtitle processing from <s>stored</s> <u>the first or second</u> font data <u>stored in the first or second memories, respectively</u>; and

a controller to cause the character generator to generate <u>the</u> character <s>signals</s> <u>signals for the characters of the selected language for the character subtitle processing</u> from the <u>first or second</u> font data stored in the first or second <s>memory</s><u>memories, respectively</u><s>based on a selected language</s>, thereby outputting <u>the</u> character signals <u>for the characters</u> of <s>a</s><u>the</u> selected language for <u>the character</u> subtitle processing selected from <s>multi-languages</s><u>multiple languages</u> to be used in <u>the</u> <s>multilingual</s> character subtitle processing on the basis of <u>said first or second</u> font data<s>, at least some of which are recorded in the optical disc</s>.

8. (Previously Presented) The character display apparatus according to claim 7, wherein the first memory is a random access memory and the second memory is a read only memory.

9. (Currently Amended) A character display method for an optical disc player, comprising:

selecting a language for <u>character</u> subtitle processing from <s>multi-languages</s><u>multiple languages</u>;

separating <u>first</u> font data from other data read from a disc;

storing the separated <u>first</u> font data in a first memory; and

generating character signals from the stored <u>first</u> font data or from predetermined <u>second</u> font data stored in a second memory, thereby outputting character signals <u>for characters</u> of <s>a</s> <u>the selected</u> language <s>for subtitle processing selected from multi-languages</s> to be used in <s>multilingual</s><u>the</u> character subtitle processing on the basis of <u>said</u> first or second font data<s>, at least some of which are recorded in the optical disc</s>,

<u>wherein the first font data is downloaded from the disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the generating step outputs the characters of the selected language.</u>

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10. (Currently Amended) The character display ~~apparatus~~ method according to claim 9, wherein said generating step further includes generating the character signals for the characters of the selected language from the predetermined second font data if the selected language does not correspond to the stored first font data in the first memory.

11. (Currently Amended) A system for generating character signals for a selected language of a subtitle recorded in an optical disc, said optical disc including at least a predetermined area on which ~~a~~ first font data for generating character signals to be used in ~~multilingual~~ character subtitle processing are located, the system comprising:

an optical pickup to read recorded data including the first font data to be used in ~~multilingual~~ the character subtitle processing;

a data processor to process the first font data read from the optical pickup;

a first memory to store the first font data;

a second memory to store predetermined second font data to be used in the character ~~multilingual~~ subtitle processing;

a character generator to generate the character signals for characters of ~~a~~ the selected language for the character subtitle processing from ~~stored~~ the first or second font data stored in the first or second memories, respectively; and

a controller to cause the character generator to generate the character signals for the characters of the selected language from the first or second font data stored in the first or second ~~memory~~ memories, respectively, based on ~~a~~ the selected language, thereby outputting the character signals ~~of a~~ for the characters of the selected language ~~for subtitle processing selected~~ from ~~multi-languages~~ multiple languages to be used in the ~~multilingual~~ character subtitle processing on the basis of the first or second font data~~, at least some of which are recorded in the optical disc~~,

wherein the first font data is downloaded from the optical disc and stored in the first memory such that the stored first font data is separate from the characters of the selected language before the controller outputs the characters of the selected language.

12-15 (Canceled).

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16. (Currently Amended) An apparatus for an additional contents display of an optical disc player, the apparatus comprising:

a detector to detect additional contents data associated with a main title ~~from~~ of an optical disc, wherein the additional contents data include <u>a first</u> font data;

a first memory to store said ~~detected~~ additional contents data;

a processor to process said additional contents data stored in said first memory to generate specific presentation data; and

a controller to control the processor to process said additional contents data to display a specific content associated with said main title by using said specific presentation data<u>,</u>

<u>wherein the processor processes the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and</u>

<u>wherein the first and second font data are different than text data.</u>

17. (Currently Amended) The apparatus according to claim 16, wherein said <u>additional contents is download from an external source</u>~~optical disc is a DVD~~.

18. (Canceled).

19. (Previously Presented) The apparatus according to claim 16, wherein said first memory is a random access memory.

20. (Canceled).

21. (Currently Amended) The apparatus according to claim ~~20~~<u>16</u>, wherein said second <u>font data is stored in a second</u> memory<u>,</u> ~~is~~ <u>the second memory being</u> a read only memory.

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22. (Currently Amended) The apparatus according to claim 16, wherein said processor is a character generator to generate character signals for characters for displaying a selected language on the basis of said first or second font data.

23. (Currently Amended) A method for an additional contents display of an optical disc player, the method comprising:

detecting additional contents data associated with a main title ~~from~~ of an optical disc, wherein the additional contents data include a first font data;

storing said ~~detected~~ additional contents data in a first memory;

processing said stored additional contents data to generate specific presentation data; and

outputting the specific presentation data for displaying a specific content associated with said main title by using said specific presentation data,

wherein the processing step processes the additional contents data including the first font data stored in the first memory of the optical disc player, the first font data being different than a second font data predetermined for the main title, and

wherein the first and second font data are different than text data.

24. (Currently Amended) The method according to claim 23, wherein ~~in said detecting,~~ said additional contents is downloaded from an external source~~optical disc is a DVD~~.

25. (Canceled).

26. (Currently Amended) The method according to claim 23, wherein ~~in said storing,~~ said first memory is a random access memory.

27. (Canceled).

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28. (Currently Amended) The method according to claim ~~27~~23, wherein ~~in said~~ ~~storing,~~ said <u>second font is stored in a</u> second memory<u>, said second memory being</u> ~~is~~ a read only memory.

29. (Currently Amended) The method according to claim 23, wherein said processing is performed to generate character signals <u>for characters</u> for displaying a selected language on the basis of said <u>first or second</u> font data.

30. (Canceled).

31. (Currently Amended) The method according to claim ~~24~~23, further comprising:

~~detecting~~<u>reproducing</u> video management information from the optical disc,

wherein the ~~detected~~ video management information includes information indicating whether or not the <u>first</u> font data are recorded on the optical disc.

32. (Currently Amended) The method according to claim ~~31~~23, wherein the ~~detected~~ video management information further includes information on a location of the <u>first</u> font data on the optical disc.

33. (Canceled).

34. (Currently Amended) The apparatus according to claim 16, ~~wherein the~~ ~~detector detects~~<u>further comprising:</u>
<u>a pickup unit to reproduce</u> video management information from the optical disc, ~~and~~ the ~~detected~~ video management information ~~includes~~ <u>including</u> information indicating whether or not the <u>first</u> font data are recorded on the optical disc.

35. (Currently Amended) The apparatus according to claim ~~34~~<u>16</u>, wherein the ~~detected~~ video management information further includes information on a location of the <u>first</u> font data on the optical disc.

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36-39. (Canceled).

40. (New) The apparatus according to claim 17, wherein said external source comprises an optical disc.

41. (New) The apparatus according to claim 16, wherein said specific presentation data is text subtitle for the main title.

42. (New) The method according to claim 24, wherein said external source comprises an optical disc.

43. (New) The method according to claim 23, wherein said specific presentation data is text subtitle for the main title.